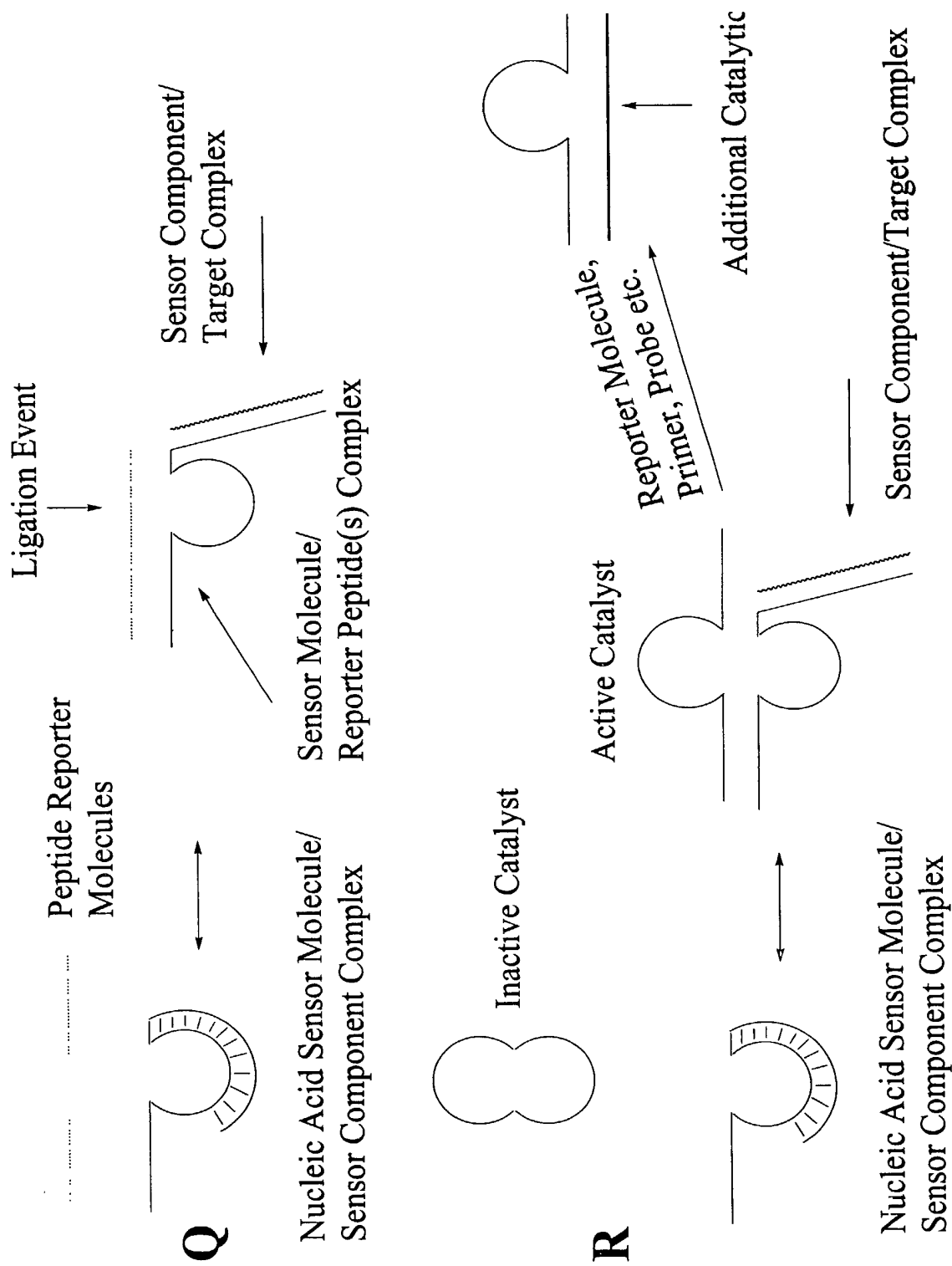


Figure 13: Examples of Diagnostic Effector Molecules



**Figure 17b: Auto-ligation Nucleic Acid Sensor Molecules -
Ligand Dependent**

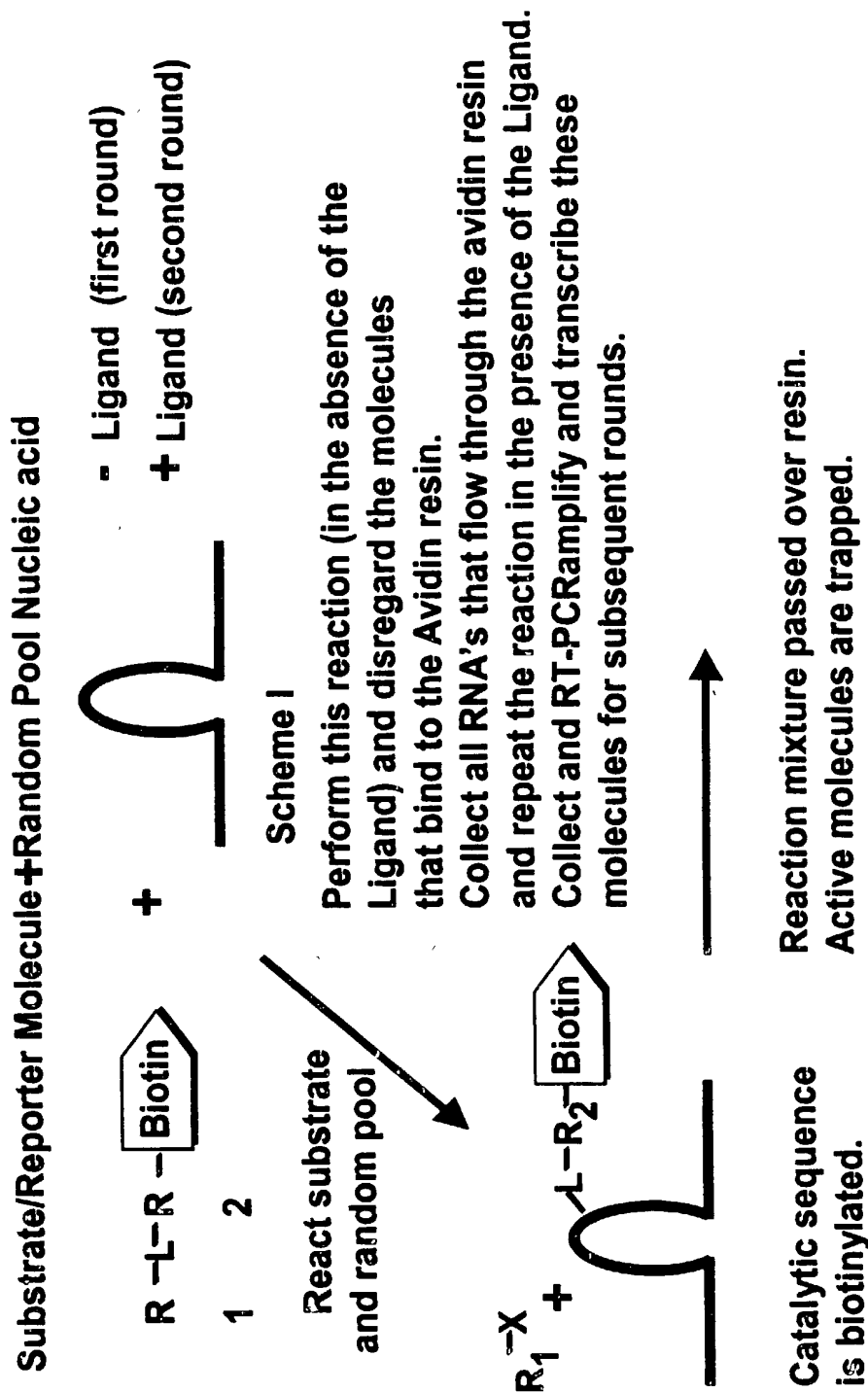
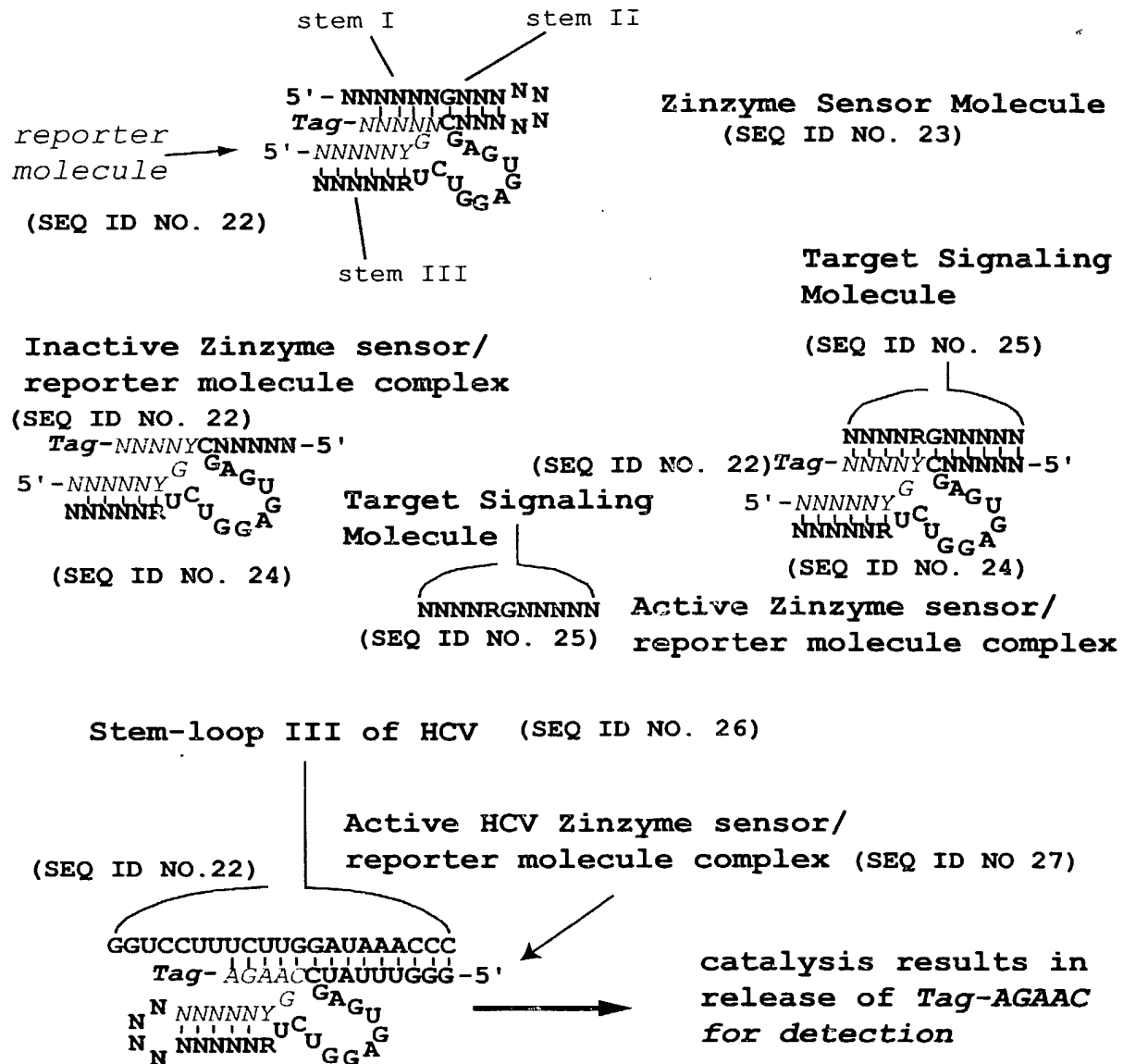
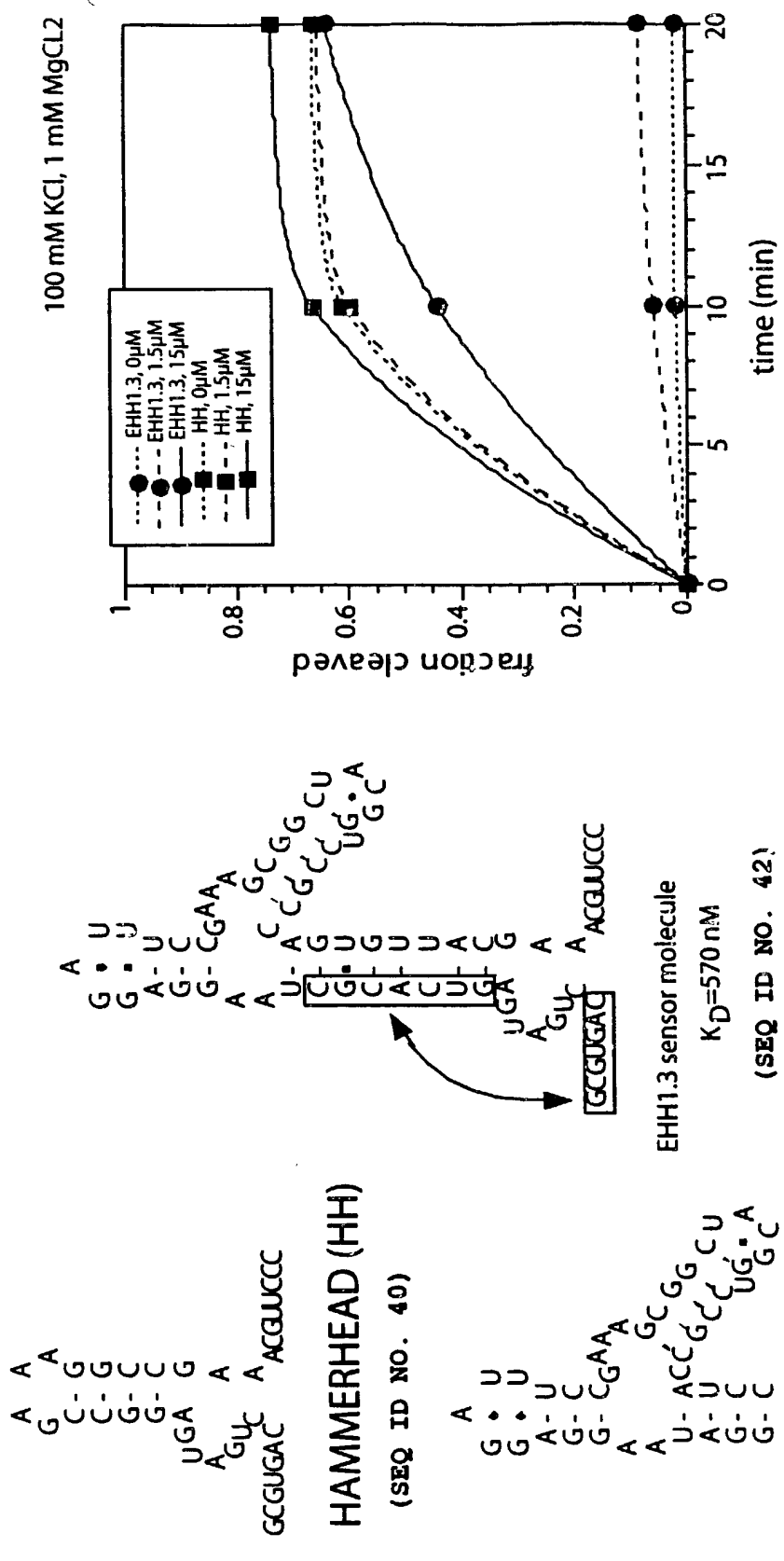


Figure 19: Zinzyme Sensor Molecule for detection of Nucleic Acid



Zinzyme sensor can be attached to solid support/surface, for example at the 5'-end

Figure 28: Erk modulated Nucleic Acid Sensor Molecule



ERK SENSOR COMPONENT

$K_D=300$ pM

(SEQ ID NO. 41)

Figure 37A

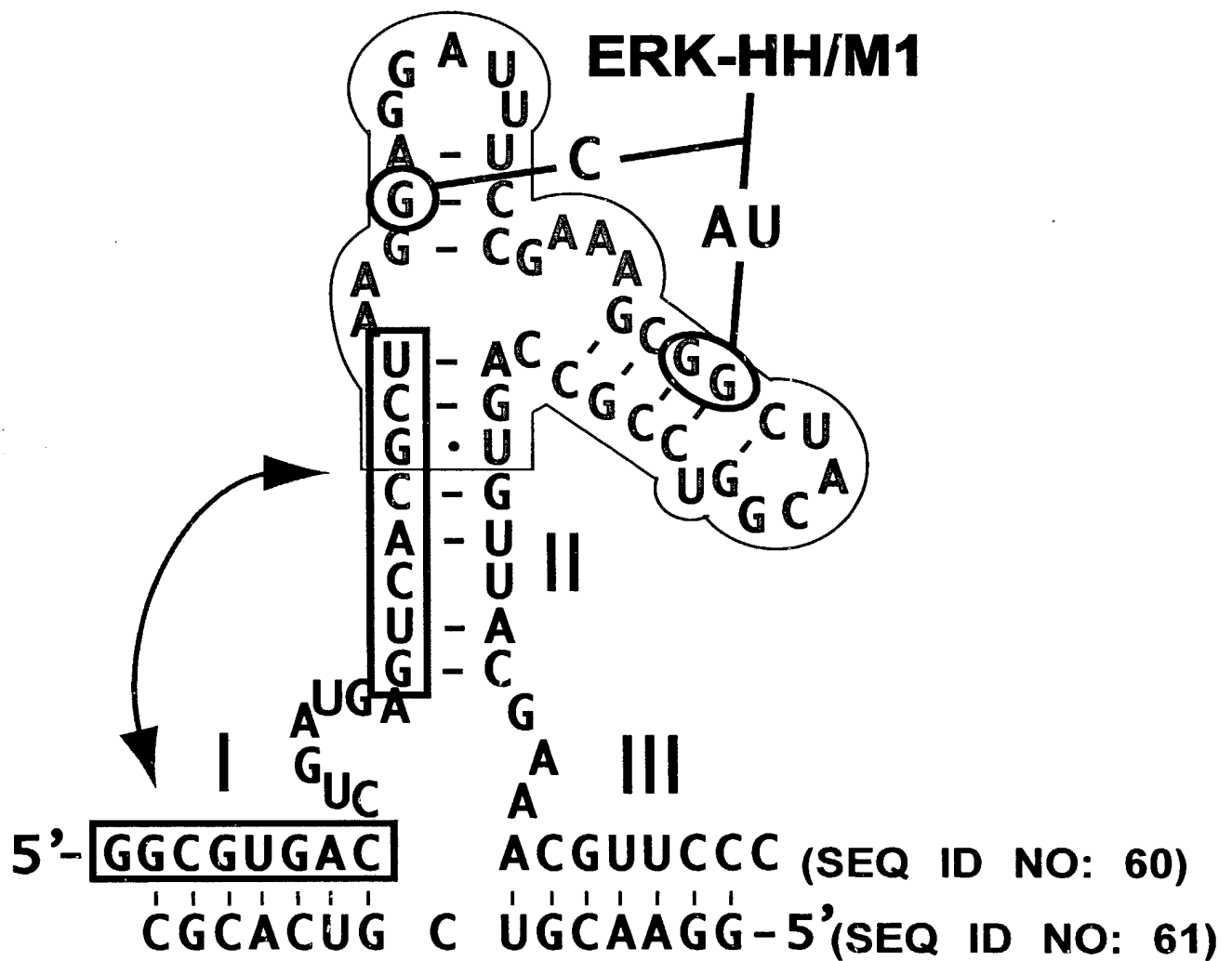


Figure 37C

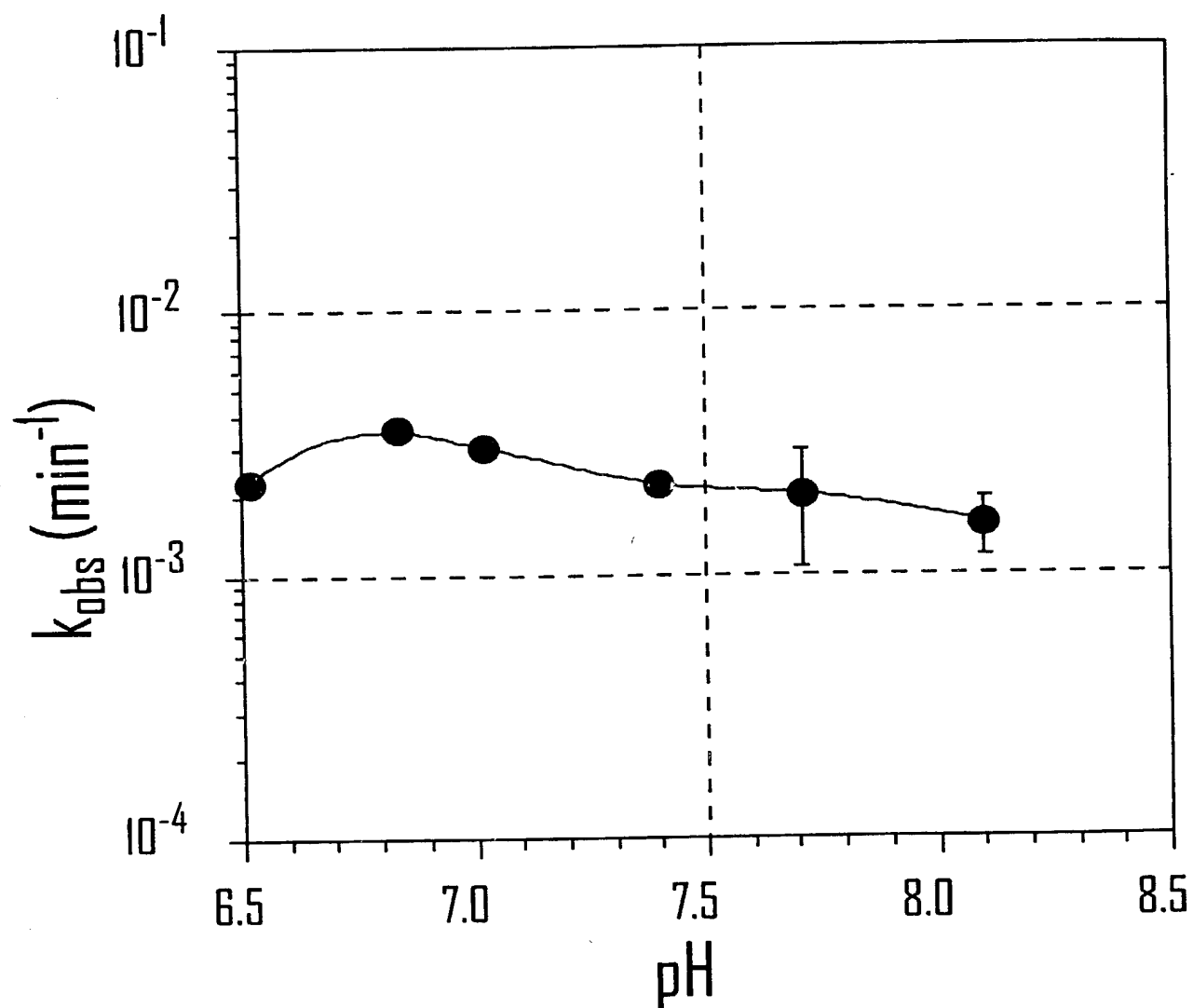


Figure 38

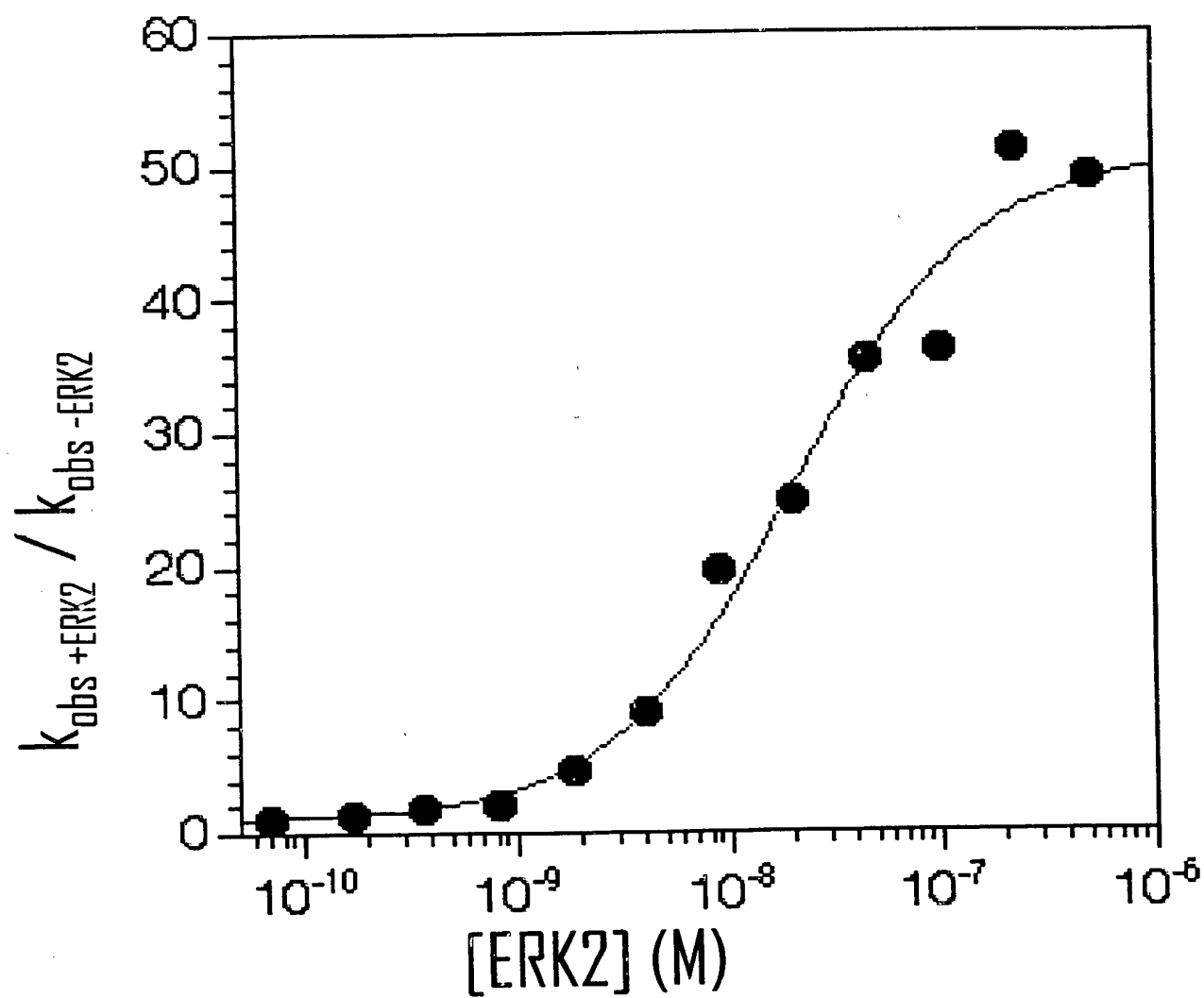


Figure 42A

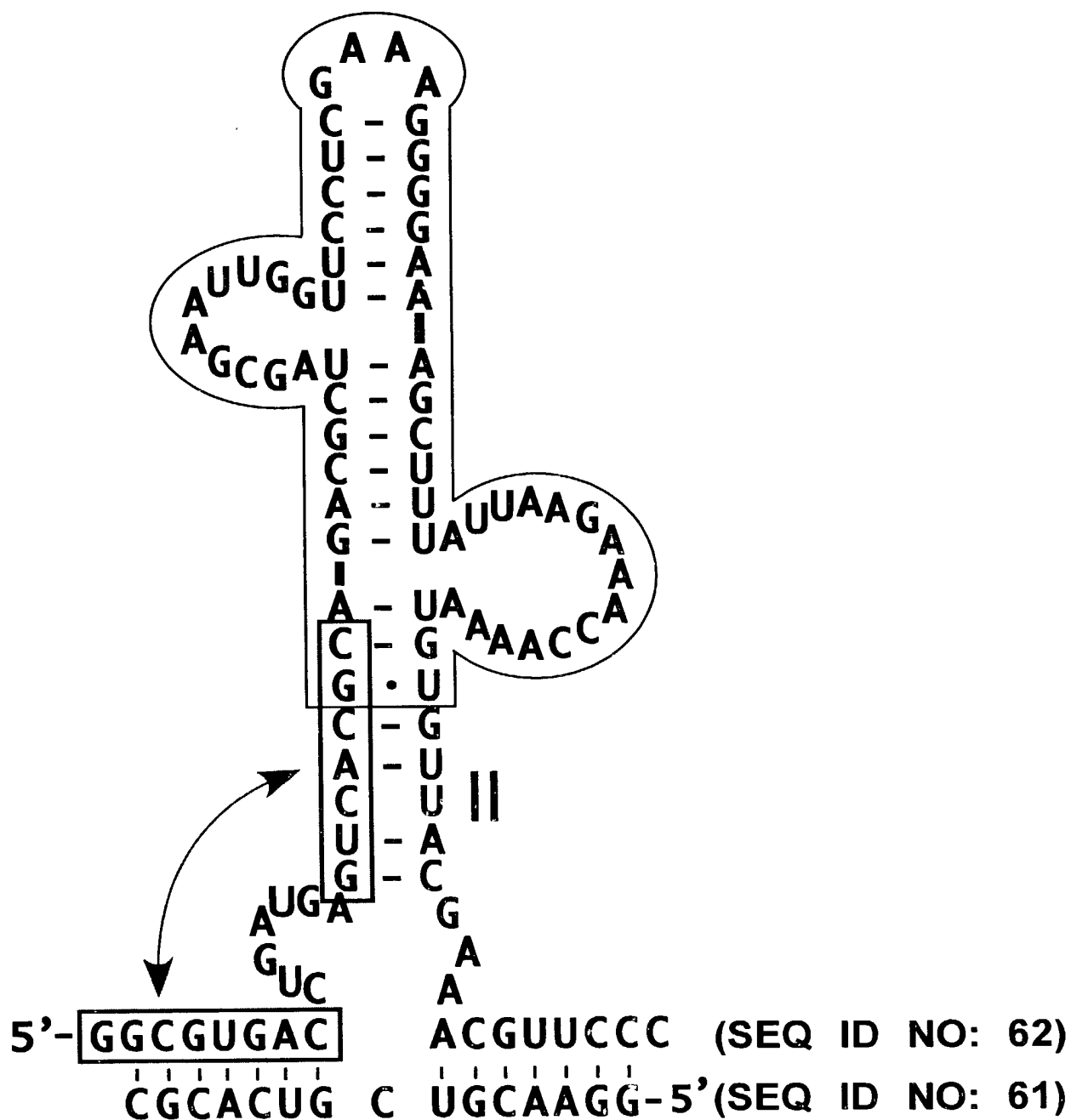


Figure 41B

